




# TI-500

## SERVICE & WORKOVER UNIT

### THE TI-500

The TI-500 is one of the most popular rigs manufactured by Taylor Industries. The 104 ft. (31.7 m) / 225,000 lb. (102 MT) mast makes this unit a serious rig for heavy well service, workover, and light drilling. Mounted on a heavy duty 5-axle carrier, the standard 500 Series is powered by one 475 Hp engine and an automatic transmission. All critical maintenance points are easily accessed and brake adjustment is simple and clear. The rig is equipped with many standard features including rod basket, tubing board, work platform, deck mounted winch, block, sand & tubing line, and numerous others. The TI-500 is as versatile as it is durable.

### DRAWWORKS

Model ..... TI-260 (Disc) or DD42-154 (Band)  
Single Line Pull ..... 41,500 lbs.

### Hoisting Drum Information

Main Barrel Dimensions ..... 18.75 in. x 34 in.  
Wire Line Size ..... 1 in.  
Wire Line ..... 675 ft.  
Drum Clutch ..... 18 in. 3-Plate  
Gearing ..... 6 Forward / 1 Reverse  
Drive Chain ..... Double 160  
Brake System ..... Dual 60 in. disc / 42 x 12 blocks  
Brake Cooling ..... Air/Splash

### Sand Drum Information

Sand Drum Diameter ..... 12.75 in.  
Standard Sand Line Size ..... 9/16 in.  
Sand Line (included) ..... 16,000 ft.  
Drive Chain ..... Single 140  
Brake System ..... Single 48 in. Disc / 42x8 blocks  
Brake Cooling ..... Air/Splash

### MAST

Model ..... 104/225  
Mast Height ..... 104 ft.  
No. of Lines to the Block ..... 4, 6, or 8  
API Capacity ..... 240,000 lbs.  
Drill Line Size ..... 1 in.  
Racking Board Height ..... 55 ft. 7 in. / 66 ft. 7 in.  
Rod Basket Height ..... 78 ft. 7 in.  
Traveling Block ..... 150 ton 83A non-weighted

### Mast Raising System

Raising Rams ..... 2-3 stage, double acting  
Telescoping Ram ..... (1) single stage

Guy Lines ..... (2) with Ratching Boomers  
Wind Guys ..... (1) Set with Tail Chains  
Tubing Board Guys ..... (1) Set with Tail Chains

### POWER SYSTEM

Engine ..... Caterpillar C-15/ Det S-60  
Cylinders / Type ..... 6 / 4-Stroke  
Horsepower ..... 475 Hp  
Governed Speed ..... 2,100 RPM  
Air Cleaner ..... Single Dry Type  
Emergency Stop ..... Standard

### Transmission

Type ..... Alison M5610-Drop Box  
Gearing ..... 6 Forward / 1 Reverse

### AIR ELECTRICAL & HYDRAULIC

Compressor ..... 27 CFM  
Electric System ..... 12 Volt  
Alternator ..... 115 amp  
Starter ..... 12 Volt  
Batteries ..... (3) BCI-31  
Hydraulic System ..... 50 gpm / 2,000 psi

### CAB

Type ..... Single Person (R or L drive)  
Heater/ Defroster ..... 40,000 BTU  
Drivers Seat ..... Air Ride  
Mirrors ..... West Coast Style

### RIG LEVELING SYSTEM

Leveling Jacks ... (4) 12 in. Hyd. w/ Manual Back-up

### CARRIER

Type ..... 5 axle, 10 x 4 Drive

Length w/ Mast ..... 61 ft. 9 in.  
Overhang, Front ..... 15 ft. 5 in.  
Axle to Front Bumper ..... 5 ft.  
Bridge Span ..... 14ft. 10 in.  
Rear Axle Spacing ..... 55 in.  
Rear Axle to Back of Rig ..... 11 ft. 8 in.  
Height (OTR) ..... 14 ft. 1 in.  
Estimated Rig Weight ..... 90,140 lbs.

### AXLES - SUSPENSION

Front ..... Tandem/ Steerable  
Axle Capacity ..... 20,000 lbs. per axle  
Suspension Type ..... Spring  
Rear ..... Tandem  
Axle Capacity ..... 23,000 lbs.  
Tag Axle Capacity ..... 20,000 lbs.  
Drive Ratio ..... 6.17:1

### Brakes

ABS System ..... Standard Drum  
Park Brake ..... Air

### Tires & Wheels

Front Tires ..... 425/65 R22.5 in.  
Wheels ..... 13 in. / 22.5 in.  
Rear Tires ..... 11Rx 22.5 in.  
Rear Wheels ..... 8 in. / 22.5 in.

### Frame

Main Rails ..... 21 in. 53 lbs./ft.  
Frame Deck ..... 3/16 in. Diamond Plate  
Tow Points ..... Front & Rear  
Front Bumper ..... Slant Type

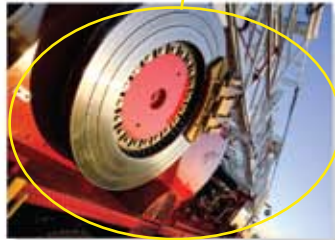
### Paint

Standard Paint ..... 2 Non-Metallic Colors

*The TI-500 is as powerful as it is versatile. Its clean efficient design provides for high performance in a variety of well service, workover, and light drilling applications.*



*The cab & controls are state-of-the-industry and designed for safe and efficient rig operation. The TI-500 comes standard with full controls and instrumentation including power view, giving the operators a full complement of diagnostic and performance read-outs.*

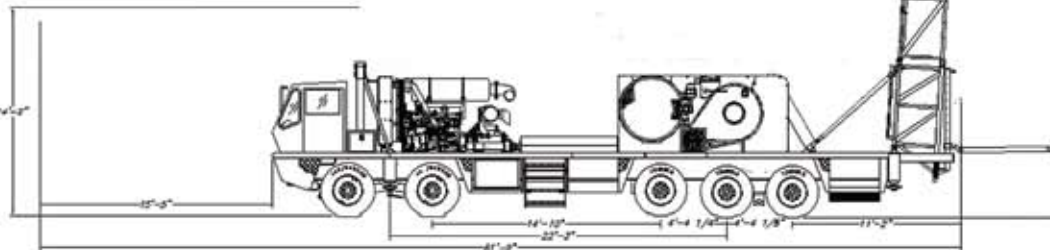


*The heavy-duty mechanical drawworks with band or disc brakes provides 41,500 lbs. single line pull and the simple yet powerful clutch design improved rig performance while reducing weight and maintenance requirements.*



*The operator's console provides excellent visibility and a simple user-friendly control layout. Controls for all rig functions are easily accessible from the console. Additionally, the water resistant operators control panel is hinged for exceptional access for service and maintenance.*

*The TI-500 is the most popular service and workover rig in Taylor's line. The simple design and powerful powertrain and drawworks make the TI-500 ideally suited to a wide variety oil and gas service and workover applications.*



# TI-500

SERVICE & WORKOVER UNIT



Call Taylor Industries today 918-266-7301, or visit our website: [www.taylorindustries.net](http://www.taylorindustries.net)

1045 Keystone Avenue • Tulsa Port of Catoosa • Catoosa, OK 74015 • [sales@taylorindustries.net](mailto:sales@taylorindustries.net) • fax 918-266-5223